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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2008; month=8; day=27; hr=12; min=33; sec=55; ms=531;]

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Application No: 10594250 Version No: 1.0

Input Set:

Output Set:

Started: 2008-08-23 06:11:46.143
Finished: 2008-08-23 06:11:47.692
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 549 ms
Total Warnings: 42
Total Errors: 0
No. of SeqIDs Defined: 62
Actual SeqID Count: 62

Error code	Error Description
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W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
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W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
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W 213	Artificial or Unknown found in <213> in SEQ ID (28)
W 213	Artificial or Unknown found in <213> in SEQ ID (29)
W 213	Artificial or Unknown found in <213> in SEQ ID (30)

Input Set:

Output Set:

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Total Warnings: 42
Total Errors: 0
No. of SeqIDs Defined: 62
Actual SeqID Count: 62

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Japan Science and Technology Agency
Kazuyoshi TAKEDA
Kazuhiro SATO

<120> GENETIC MARKERS LINKED TO GENE LOCUS INVOLVED IN BARLEY RESISTANCE
TO YELLOW MOSAIC DISEASE AND USE THEREOF

<130> 1035-664 / A181-10PCT

<140> 10594250
<141> 2008-08-23

<150> JP 2004-090644
<151> 2004-03-25

<150> JP 2004-342737
<151> 2004-11-26

<160> 62

<170> PatentIn Ver. 2.1

<210> 1
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 1
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<220>
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

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<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

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<220>
<223> Description of Artificial Sequence: primer

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<210> 6
<211> 20
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<220>
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<210> 7
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<220>
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<210> 8
<211> 20
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<220>
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<210> 9
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<400> 9
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<210> 10
<211> 21
<212> DNA
<213> *Hordeum vulgare*

<400> 10
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<210> 11
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<212> DNA
<213> *Hordeum vulgare*

<400> 11
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<210> 12
<211> 21
<212> DNA
<213> *Hordeum vulgare*

<400> 12
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<210> 13
<211> 21
<212> DNA
<213> *Hordeum vulgare*

<400> 13
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<210> 14
<211> 21
<212> DNA
<213> *Hordeum vulgare*

<400> 14

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21

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<211> 688

<212> DNA

<213> Hordeum vulgare

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caagtgcgtca acattgtata cccgtgcgtg ctccacttga gataggcagg caccgacgtt 600
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<211> 645

<212> DNA

<213> Hordeum vulgare

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caagaactgt ctgaaaatc aagaaacact attttattt cgtccctatg atataactgct 180
agttcctata tatcttcctt gggttggta acttgcgtt ctgcgtact gcttggtagg 240
ttcatctccg tggctctcg gacttgcagg tggcttccca ccacctctt 300
aagcgtgtt gttgcctacc aaacttgcgtt cgttgcacagc ccaagggcag gtccccacgt 360
gtcgtcgctt tattttcctt ctttcataaa acaccttcaa acttttttca accacgcgt 420
gcaactggaa gtaatgttgc tacaggctct tctttaattt aaatcacacg caacgtcaca 480
aatactaacc ttgacatgcc tggaaactggc agtgcgttca ccatccacct tcgccttagtt 540
gcatgtata aagatacggg gggacttgcgtt ggcatttgacc gcataaggaa cgaactcaaa 600
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<210> 17

<211> 696

<212> DNA

<213> Hordeum vulgare

<220>

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<222> (10), (24), (30)

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catccaaattc ttagcgaccg acgagatgtt ttcatcggtt tttgttagtaa cacaacacag 180

agttagactgt ttggatgact gcgagaagta agccaatagc agctgccatg agcccaacgg 240
caagccatgg gttcctcaag tacctctgcc ttagccaggc agtccacctc cgggggttgc 300
tctggaaaccg cttctccagc ttcttgcatg tctccctgt gtagttgcag cgggggtcat 360
cagggtcaaa cataatcccc ttgcaaagggt cgacgaagca tttggccacc tcttcgttgt 420
tgccgtggcc gtgcacgatg acgcctctcc tcaccaagag ctccacgtcc ttcgtggtgc 480
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tcctctgctc cagctccatc aggttgcgtat atagcccca cgtctcgccg tcgatgtcca 600
ggacggggat ctccagcgtat ccccccacgc cgtccagctt cacgtcgagg atgcagcgga 660
tgacaccctt ctcgctcatg gccccggcg ttgaac 696

<210> 18
<211> 738
<212> DNA
<213> *Hordeum vulgare*

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agagtggcca tgactaccta ccctacctgc tatctacagt ttttttggta tatactattc 180
acagttgggt tcgaagagac gtaacccaatc taggaacata catgggcaag gaatgacccc 240
ggaagctaag atgatgaatt ggaagaggag tcatgtacac aacctactta tagactatat 300
ataattttatggccatttctt caaccaacac ctatttgaca agggcaagaa ttttacttcg 360
tatttgatgaa acagatatac caatttcacca ttacggcattt acttacctttagt ttgatgcca 420
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atgaatttggaa aggagtcaaa tacagaaccc atttttagat tatatgtaca aaattttagg 540
gtcattactc agccacacac ctatttgaaa acaacaggaa gaattttact tagtcatgtat 600
gaaacagatt tcttttaaca aataagaattt cgactactcc ttagatatct aaagatggat 660
gacgttagcca gataccatgt agaacactga aaaggcgtgtt accgcattttt ccgactgaa 720
actatcaatc atggtaag 738

<210> 19
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 19
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<210> 20
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 20
aatccgacga aatcaacgag 20

<210> 21

<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 21
ctcgatcatc agcgacttca 20

<210> 22
<211> 20
<212> DNA
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<220>
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<400> 22
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<210> 23
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<220>
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<400> 23
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<210> 24
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<220>
<223> Description of Artificial Sequence: primer

<400> 24
agacaacaac cgcctgtacc 20

<210> 25
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<220>
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<400> 25
gatgagtcct gagtaaacc 19

<210> 26
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 26
gactgcgtac caattcacg 19

<210> 27
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 27
tccagccgaa caatttcttg 20

<210> 28
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 28
agtactccga caccacgtcc 20

<210> 29
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<400> 29
gatgagtcct gagtaaatt 19

<210> 30
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<400> 30
gactgcgtac caattcacg 19

<210> 31
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 31
gatgagtcct gagtaaata 19

<210> 32
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 32
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<210> 33
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 33
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<210> 34
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 34
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<210> 35
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 35
gatgagtcct gagtaatgg 19

<210> 36
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 36
gactgcgtac caattcgga 19

<210> 37
<211> 19
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer

<400> 37
gatgagtcct gagtaacaa 19

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<212> DNA
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<220>
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<400> 38
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<210> 39
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 39
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<210> 40

<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<210> 41
<211> 19
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<220>
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<210> 42
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<210> 43
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
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<210> 44
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<212> DNA
<213> Artificial Sequence

<220>
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<210> 45
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

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gatgagtcct gagtaaacg 19

<210> 46
<211> 19
<212> DNA
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<220>
<223> Description of Artificial Sequence: primer

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gactgcgtac caattcgga 19

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<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

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gacgatgagt cctgag 16

<210> 48
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 48
tactcaggac tcat 14

<210> 49
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

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ctcgtagact gcgtacc 17

<210> 50
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 50
aattggtagc cagtctac 18

<210> 51
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

<400> 51
gatgagtcct gagtaa 16

<210> 52
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer

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<211> 664
<212> DNA
<213> Hordeum vulgare

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ataaggcactt ggtattcact aatccatgaa aatagtattt attcaaaaca cagggagatc 120
gcaaggggagt ctgatctgaa aaggccctag aagccattca gtaaccacga gagtaacaag 180
ttgcagaaag ctagaaacaa ctggataact taatcccttg acattcaaaa acatgaagaa 240
tgtcaaaaatg atgattcata acacgatcga tcaaaaggac cagtcatctg gaagaactct 300

tggtagtcgt tcagtaacgg cgtggaggg aaccggccag gagcctcca gatggacact 360
cgtaaaggcat gtgaccacga ccaccacagt tggtagcagat catgaaggcg ccacccatgc 420
agtacacggct catatggcca acctgggtgc agggccggca gaccatgtca ctgtagccac 480
cacggaaagag agcaccggccg ccaccacggaa agggagcatc gccaccacgg aacagagcat 540
cgccggccacg gaacagagcg tcaccggccac ggaacagagc gtaccacca cggaaggggag 600
gaggcccacc cctctcggtt atttcgtcg atttggggca ttgacgggca aatgccttg 660
caac 664

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<211> 545
<212> DNA
<213> *Hordeum vulgare*

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gcttctatct ttctctctct ctctctaata ggtgcctcga tcatcagcga cttcaggact 180
tgctcctcgt aacaaaccag ctgagtcctt acgaaaacaat ccagaaagtc agcagcaagg 240
aagcaagccc tggggcttcc aaaaggcaat cgaccaatct tcttgtgtgg cctcagtggt 300
gtctgttct actccgcctt ctgggtccgg aagttcgacc tcattgacga aaccttttc 360
ttgcactgca ccactgtttt accagggaca gcagtagcta ctcgccttca tcttggttt 420
gcattcctgg gaaatgcctt caaaagcttga acaaggggca gcacctgagc ctctgaccag 480
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ttggc 545

<210> 55
<211> 21
<212> DNA
<213> *Hordeum vulgare*

<400> 55
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<210> 56
<211> 21
<212> DNA
<213> *Hordeum vulgare*

<400> 56
cttatgttatataataactgc 21

<210> 57
<211> 514
<212> DNA
<213> *Hordeum vulgare*

<400> 57
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acaacaatgt gcacaccaag gttgacagtt acacggctga cagctgttac aactcccaga 120
agaatgggtt ggctttaca aagaagaaaa aaaatgtca aaaatttgcg tctccctccg 180
cagtgtatcca agttcccaag ggcagcttct taggggagcc cctagatgca aatggatccg 240
ggcatccccg ccaagcgaac ttctttgtc cgctgttcaag aagcagcctt ccaccggat 300
catttacttg gcaattctac atccgttcaactattcatc tatacagccg gaatttttag 360

aaggacgagt gaggcacaat acagacatac ggagatggca accccggcga tggaaattctg 420
gtacaggcgg ttgttgtctc tactggaaat gaaggctgcc ctcagcacgt ttgtgatctc 480
aaatactcggtatgacagca aaagatagat tggat 514

<210> 58
<211> 21
<212> DNA
<213> *Hordeum vulgare*

<400> 58
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<210> 59
<211> 21
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<213> *Hordeum vulgare*

<400> 59
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<210> 60
<211> 540
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<213> *Hordeum vulgare*

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gacgttctac agtactatga cattacatcc atgatagctt attgtacaaa agagtgaatg 180
aaatgaacta cgaaaatcca gcatcatagt tctgcagtcg ggcttctcag aagtgagcca 240
agctgtatac tagagtccat gaaagcagga aaagggtgaa cgaggcaaag agcccctcct 300
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